WATER MANAGEMENT MONTHLY REPORT

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RESERVOIR OPERATION AND SYSTEM STATUS FOR MARCH 2002

HIGHLIGHTS – Cairo stage began the month at 22.4 feet and ended at 44.9 feet and was falling slowly. Cairo stage crested at 47.0 feet on the 27thof March. Flood stage is 40 feet.

WEATHER –The weather during March turned wet and cool after several months of below normal precipitation and above normal temperatures. Weather patterns returned to nearer normal during March and temperatures averaged slightly below normal for most of the month. Precipitation, however, continued below normal until March 17. After March 17, fairly heavy rainfall patterns passed through the basin bringing total monthly rainfall to above normal for the entire basin.

TEMPERATURE AND PRECIPITATION – MARCH 2002

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	40.9	+1.1	3.67	+0.50
Charleston, WV	45.7	+0.4	5.92	+2.02
Columbus, OH	41.3	-0.7	3.45	+0.56
Cincinnati, OH	41.9	-2.0	4.60	+0.70
Louisville, KY	46.5	-0.4	7.02	+2.61
Indianapolis, IN	40.1	-1.6	4.22	+0.78
Evansville, IN	43.7	-2.1	6.20	+1.91

Nashville, TN	49.5	-0.6	9.40	+4.53

STREAMFLOW -- Ohio River monthly average flows for March ranged from a low of 67 percent of normal at Pittsburgh, PA to a high of 85 percent of normal at Paducah, KY. Daily flows ranged from a low of 17 percent of normal at Cincinnati, OH to a high of 205 percent of normal at Louisville, KY.

The following table presents the flow data summary for March at the Ohio River Index Stations:

FLOW DATA – MARCH 2002

STATION	**AVERAGE MONTHLY FLOW**	**PERCENT LONG-TERM NORMAL**		
.	**CUBIC FEET/SECOND**	**MONTHLY**	**DAILY**	
.	.	.	HIGH	LOW
Pittsburgh, PA	45,700	67	168	24
Huntington, WV	114,600	69	185	25
Cincinnati, OH	160,000	75	193	17
Louisville, KY	205,700	82	205	23
Evansville, IN	230,600	77	181	26
Paducah, KY	442,100	85	175	34

RESERVOIRS -- March started with 1.8% utilization of the total system flood control storage and ended the month at 11.5% after reaching a peak of 13.8%. System-wide augmentation storage increased from 98.8% at the beginning of the month to 99.7% by the end of the month. Significant flood storage utilization in excess of 25% occurred at Conemaugh in the Allegheny River basin, Stonewall Jackson and Tygart in the Monongahela basin, Berlin, Milton and Mosquito Creek in the Beaver River basin, Atwood, Clendening and Tappan in the Muskingum River basin, Burnsville in the Little Kanawha basin, Beech Fork in Twlevepole basin, Flannagan and Paintsville in the Big Sandy basin, Grayson in the Little Sandy basin, Cave Run in the Licking basin, Carr Fork and Buckhorn on the Kentucky basin, Taylorsville in the Salt basin. Rough River in the Green River basin, Monroe in the Wabash basin and Center Hill and Percy Priest in the Cumberland River basin. Two projects stored over 50% of available flood control storage, Yatesville in the Big Sandy basin and Martin’s Fork in the Cumberland basin. The following table depicts storage change by tributary reservoir subsystem for February:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	**(ACRE-FEET)**
Allegheny-Monongahela-Beaver	+520,500
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+161,600
Twelvepole-Big Sandy-Little Sandy-Scioto	+96,100
Little Miami-Licking-Mill Creek-Great Miami	+202,300
Kentucky-Salt-Green-Wabash	+771,200
Cumberland	+1,178,300
TOTAL	**+2,930,000**

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